AWIPS Software Installation Note 48
Installation Instructions for AWIPS Maintenance Release OB3.1
Lessons Learned/Addendum

Date: 07/7/04

<div style="border:1px solid">

CAUTION

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Assumption: It is assume that you are using the version of the installation installations dated **6/2/04**. This is also the version that is found on the installation web page:

http://www.ops1.nws.noaa.gov/awips_softwre.htm

If you do not have this version, obtain it now.

Purpose: Replace the pages from the OB3.1 installation instructions document on the web page above (**dated 06/2/04**), with the updates included in this lessons learned/addendum (**dated 07/7/04**).

Chapter	Page # New Version	Comments	Directions
Attachment C	page C-1	new attachment added based on an email from the SST	Added this to the end of the document.

IMPORTANT

This new Attachment was added to help clarify OB3.1 warngen installation and implementation. Please look at this new attachment and give to the warngen focal point.

Appendix C OB3.1 WARNGEN INSTALLATION AND IMPLEMENTATION GUIDELINES (June 7, 2004)

Change pages and modified steps for Chapter C include:

  page C-1 through C-4, new

Sites should review this chapter after completing the OB3.1 installation.

OB3.1 WARNGEN INSTALLATION AND IMPLEMENTATION GUIDELINES (June 7, 2004)

1.   GENERAL BACKGROUND

OB2 provided a new set of WarnGen templates to accomodate the automated VTEC era followup procedure. OB2 templates are considerably different from   OB1 templates.

OB3.1 WarnGen fixes various WarnGen bugs and provides a new set of WarnGen templates which accomodate a VTEC format change. OB3.1 templates have only minor changes (but important changes) compared to OB2 templates.

The OB3.1 installation will preserve your pre-OB3.1 WarnGen template configuration. The OB3.1 templates will not be needed until VTEC is implemented   (February 2005 or later). For most sites, the transition to using OB3.1 templates should be completed after severe weather season and well before VTEC implementation. The VTEC Operational Test and Evaluation (OT&E) is scheduled for late summer/early fall 2004. The sites involved in the OT&E will need to implement OB3.1 templates for the VTEC OT&E.

All WarnGen sites will run script ob31warngenprep.csh as part of the OB3.1 pre-install process. This script will save a full set of "legacy" WarnGen templates in /data/fxa/customFiles, remove the obsolete VTEC line from all legacy templates and install the OB3.1 templates in /data/fxa/nationalData. "Legacy" templates are whatever templates (OB1 or OB2) you are currently using.

The OB3.1 QC checker is turned on by default. The QC checker may complain about some OB1 template items that don't adhere to NWS directives, but the products can still be transmitted. Problems with the templates will need to be corrected.

At the end of this document, Appendix One describes how to identify OB1, OB2 and OB3.1 templates.

2.   GUIDELINES FOR SITES CURRENTLY USING OB2 WARNGEN TEMPLATES

After OB3.1 is installed, a full set of legacy templates will be in customFiles. This will consist of the default OB2 templates that previously were in nationalData plus your customized OB2 templates. The incorrect VTEC line will be automatically removed from all these templates.

The transition from OB2 to OB3.1 templates is fairly simple. There are only a couple changes (though important changes) in OB3.1 templates compared to OB2 templates.

The easiest way to implement OB3.1 templates is to manually add the OB3.1 changes to your current OB2 templates. Make sure the OB3.1 QC checker doesn't complain about your custom OB3.1 templates.

It is not necessary to use the procedures in the FSL document "Migration, testing and training issues for OB3.1 WarnGen." Beware that the FSL scripts have not yet been field tested (the scripts in FSL's step number one have been tested). The FSL document is available at:

   http://www-sdd.fsl.noaa.gov/~ramer/noaa/ob3.1-wgn/ob3.1-wgn.html

3.   GUIDELINES FOR SITES CURRENTLY USING OB1 WARNGEN TEMPLATES

After OB3.1 is installed, a full set of legacy templates will be in customFiles. This will consist of the default OB2 templates that previously were in nationalData plus your customized OB1 templates. The incorrect VTEC line will be automatically removed from all these templates.

OB1 templates seem to work under OB3.1 but may not work in future AWIPS releases. The OB3.1 QC checker may complain about some OB1 template items. The QC checker will not prevent products from being transmitted, but will give warning messages that must be acknowledged in order to send products. If so, the templates need to be changed to conform to NWS directives.

Sites can begin the transition by testing OB3.1 templates on one seldom used workstation. The OB3.1 baseline templates should first be examined to learn about new OB3.1 features before attempting to merge any customizations from OB1 templates. Also, FSL has provided OB3.1 WarnGen transition information in the document "Migration, testing and training issues for OB3.1 WarnGen." Beware that the FSL scripts have not yet been field tested (the scripts in FSL's step number one have been tested). If needed, the AWIPS Support Branch will provide more detailed instructions on completing the transition from OB1 to OB3.1 WarnGen templates. The FSL document is available at:

   http://www-sdd.fsl.noaa.gov/~ramer/noaa/ob3.1-wgn/ob3.1-wgn.html

APPENDIX ONE: DISTINGUISHING BETWEEN OB1, OB2 AND OB3.1 WARNGEN TEMPLATES

The following is a simple method for quickly distinguishing between OB1, OB2 and OB3.1 WarnGen templates. The method applies to the TOR, SVR, FFW amd SMW templates. Also, this method does not include all differences among the three versions of templates - that is, this should not be used for editing or customizing your WarnGen templates.

Below are the top sections of SVR default templates in OB1, OB2 and OB3.1. OB1 templates do not have the <REISSUE> tag while OB2 and OB3.1 templates do have this tag. OB1 templates have only two variables in the AUX_INFO section ("wx_hazard" and "issue_prod"). OB2 and OB3.1 templates have the above two variables plus the "init_with" variable in the AUX_INFO section. OB3.1 templates use the "SVRid" variable in place of the "cccValue" literal "SVR" and "xxxValue" variables used in the OB1 and OB2 templates. OB3.1 templates have the new "O" field at the start of the VTEC line. These items are highlighted below.

OB1 SVR default template:

```
//"SEVERE THUNDERSTORM"

<DURATIONS | 10 | 15 | 20 | 25 | 30=default | 40 | 45 | 50 | 1:00
        | 1:15 | 1:30>
<DEPICT_KEYS|1083>

#include "${CURRENT_CWA}-offtIncl.txt"
<AUX_INFO |wx_hazard=Severe Thunderstorm
        |issue_prod=$$cccValue!SVR$$xxxValue! >

ZCZC $$cccValue!SVR$$xxxValue! DEF&
TTAA00 KDEN <NOW | ddhhmm | gmt>&&
#include "wwa_county_ugc.template"
&/NEW.$$wmoValue!.SV.W.ETN#.<START|ymdthmz|gmt>-<EXPIRE|ymdthmz|gmt>/

BULLETIN - EAS ACTIVATION REQUESTED&
SEVERE THUNDERSTORM WARNING&
#include "${CURRENT_CWA}-headerIncl.txt"
<NOW | header | local >
```

OB2 SVR default template:

```
//"SEVERE THUNDERSTORM"

<DURATIONS | 10 | 15 | 20 | 25 | 30=default | 40 | 45 | 50 | 1:00
        | 1:15 | 1:30>
<DEPICT_KEYS|1083><REISSUE>

#include "${CURRENT_CWA}-offtIncl.txt"
<AUX_INFO |wx_hazard=Severe Thunderstorm
        |issue_prod=$$cccValue!SVR$$xxxValue!
        |init_with=$$cccValue!SVR$$xxxValue! >

ZCZC $$cccValue!SVR$$xxxValue! DEF&
TTAA00 $$wmoValue! <NOW | ddhhmm | gmt>&&
```

#include "wwa_county_ugc.template"
&/NEW.$$wmoValue!.SV.W.$$ETN_VAL!.<START|ymdthmz|gmt>-<EXPIRE|ymdthmz|gmt>/

BULLETIN - EAS ACTIVATION REQUESTED&
SEVERE THUNDERSTORM WARNING&
#include "${CURRENT_CWA}-headerIncl.txt"
<NOW | header | local >

OB3.1 SVR default template:

//"SEVERE THUNDERSTORM"

<DURATIONS | 10 | 15 | 20 | 25 | 30=default | 40 | 45 | 50 | 1:00
       | 1:15 | 1:30>
<DEPICT_KEYS|1083><REISSUE>

#include "${CURRENT_CWA}-offtIncl.txt"
<AUX_INFO |wx_hazard=Severe Thunderstorm
       |issue_prod=$$SVRid!
       |init_with=$$SVRid! >

ZCZC **$$SVRid!** DEF&
TTAA00 $$wmoValue! <NOW | ddhhmm | gmt>&&
#include "wwa_county_ugc.template"
&/O.NEW.$$wmoValue!.SV.W.0001.<START|ymdthmz|gmt>-<EXPIRE|ymdthmz|gmt>/

BULLETIN - EAS ACTIVATION REQUESTED&
SEVERE THUNDERSTORM WARNING$$MND_VAL!&
#include "${CURRENT_CWA}-headerIncl.txt"
<NOW | header | local >